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                    GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus_p2n model

Run on:          January 16, 2003, 17.00.17 , Search time 36.6286 Seconds
                                              (without alignments)
                                              114.746 Million cell updates/sec

Title:           US-09-856-070-21
Perfect score:   60
Sequence:        1 EELMERLQDYEE 12

Scoring table:   BLOSUM62
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                 Ygapop 10.0 , Ygapext  0.5
                 Fgapop  6.0 , Fgapext  7.0
                 Delop   6.0 , Delext   7.0

Searched:        393868 seqs, 222934149 residues

Total number of hits satisfying chosen parameters:      787736

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Command line parameters:
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-Q=/cgn2_1/USPTO_spool/US09856070/runat_14012003_155835_1681/app_query.fasta_1.1542
-DB=Published_Applications_NA -QFMT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100
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-MAXLEN=2000000000 -USER=US09856070_@CGN_1_1_87_@runat_14012003_155835_1681
-NCPU=6 -ICPU=3 -NO_XLPXY -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :       Published_Applications_NA:*
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                 4:  /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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                 8:  /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
                 9:  /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
                 10:  /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
                 11:  /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
                 12:  /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
                 13:  /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
                 14:  /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

      Pred. No. is the number of results predicted by chance to have a
      score greater than or equal to the score of the result being printed,
      and is derived by analysis of the total score distribution.

                              SUMMARIES
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Result          Query
  No.   Score   Match Length DB  ID                             Description
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    1      60   100.0   2930  10  US-09-960-253-156             Sequence 156, App
    2      60   100.0   3044  10  US-09-880-107-3718            Sequence 3718, Ap
    3      60   100.0   3047  10  US-09-864-864-329             Sequence 329, App
    4      60   100.0   3115  10  US-09-925-299-123             Sequence 123, App
c   5      39    65.0    205  10  US-09-864-761-27935           Sequence 27935, A
c   6      39    65.0    452  10  US-09-864-761-11355           Sequence 11355, A
    7      39    65.0   1488  10  US-09-863-475A-9              Sequence 9, Appli
    8      39    65.0   3647  10  US-09-863-475A-7              Sequence 7, Appli
    9      39    65.0   4242  12  US-10-044-090-190             Sequence 190,
c  10      37    61.7   2124   9  US-09-938-842A-854           Sequence 854, App
   11      37    61.7   7420  10  US-09-917-800A-502            Sequence 502, App
   12      37    61.7 [illegible] 10 US-09-954-456-2006         Sequence 2006, Ap
   13      36    60.0    782  10  US-09-974-300-2785            Sequence 2785, Ap
   14      36    60.0    855   9  US-09-938-842A-2522          Sequence 2522, Ap
c  15      36    60.0   1648  10  US-09-942-858-11              Sequence 11, Appl
   16      36    60.0   1960  10  US-09-746-801A-12             Sequence 12, Appl
   17      36    60.0   3617  10  US-09-746-801A-14             Sequence 14, Appl
   18    35.5    59.2    104  10  US-09-917-330-17              Sequence 17, Appl
   19    35.5    59.2    612  10  US-09-917-330-12              Sequence 12, Appl
   20    35.5    59.2   1653  10  US-09-965-703-66              Sequence 66, Appl
   21    35.5    59.2   1705  10  US-09-965-697-13              Sequence 13, Appl
   22    35.5    59.2   1798  10  US-09-956-998A-16             Sequence 16, Appl
   23    35.5    59.2   5620   9  US-10-125-751-21             Sequence 21, Appl
   24    35.5    59.2   5620   9  US-09-912-552-21             Sequence 21, Appl
   25    35.5    59.2   5620  10  US-09-918-029-21              Sequence 21, Appl
   26    35.5    59.2   5620  12  US-10-038-271-21              Sequence 21, Appl
c  27    35.5    59.2   7312  10  US-09-946-334-12              Sequence 12, Appl
   28    35.5    59.2   7460   9  US-10-038-001-7              Sequence 7, Appli
c  29    35.5    59.2   7788  10  US-09-946-334-11              Sequence 11, Appl
   30    35.5    59.2   8937  10  US-09-872-733-8               Sequence 8, Appli
   31    35.5    59.2   8937  10  US-09-872-733-9               Sequence 9, Appli
c  32    35.5    59.2  14683   9  US-10-109-853-1              Sequence 1, Appli
c  33    35.5    59.2  18986   9  US-10-109-853-2              Sequence 2, Appli
c  34      35    58.3    224  10  US-09-864-761-29393           Sequence 29393, A
c  35      35    58.3    471  10  US-09-861-451A-7              Sequence 7, Appli
   36      35    58.3    501   9  US-10-040-739-1097           Sequence 1097, Ap
c  37      35    58.3    520  10  US-09-864-761-12828           Sequence 12828, A
   38      35    58.3    542  10  US-09-823-101-1               Sequence 1, Appli
   39      35    58.3    765  10  US-09-974-300-6383            Sequence 6383, Ap
   40      35    58.3    708   9  US-09-738-626-2577           Sequence 2577, Ap
c  41      35    58.3    822   9  US-09-738-626-2575           Sequence 2575, Ap
c  42      35    58.3   1662   9  US-09-938-842A-446           Sequence 446, App
   43      35    58.3   1800  10  US-09-947-442-1               Sequence 1, Appli
   44      35    58.3   2166  12  US-10-025-187-1               Sequence 1, Appli
   45      35    58.3   2170   9  US-09-854-133-728            Sequence 728, App

                              ALIGNMENTS

RESULT 1
US-09-960-253-156
; Sequence 156, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
;  APPLICANT: Benson, Darin R.
;  APPLICANT: Mohamath, Raodoh
;  APPLICANT: Lodes, Michael J.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;  TITLE OF INVENTION:  AND DIAGNOSIS OF LUNG CANCER
;  FILE REFERENCE: 210121.556
;  CURRENT APPLICATION NUMBER: US/09/960,253
;  CURRENT FILING DATE:  2001-09-20
;  NUMBER OF SEQ ID NOS: 187
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 156
;   LENGTH: 2930
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-960-253-156

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Pred. No.:                 0.0021          Length:         2930
Score:                     60.00           Matches:        12
Percent Similarity:        100.00%         Conservative:   0
Best Local Similarity:     100.00%         Mismatches:     0
Query Match:               100.00%         Indels:         0
DB:                        10              Gaps:           0
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US-09-856-070-21 (1 12) x US 09 960 253-156 (1 2930)

Qy       1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
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Db    1109 GACGACTTGATGCTGCGGCTGCAGGACTATGAGGAG 1144

RESULT 2
US 09 880 107-3718
; Sequence 3718, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
;  APPLICANT: Horne, Darci T.
;  APPLICANT:  Vockley, Joseph G.
;  APPLICANT:  Scherf, Uwe
;  APPLICANT:  Gene Logic, Inc.
;  TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
;  FILE REFERENCE: 44921-5028-WO
;  CURRENT APPLICATION NUMBER: US/09/880,107
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 60/211,379
;  PRIOR FILING DATE: 2000-06-14
;  PRIOR APPLICATION NUMBER: US 60/237,054
;  PRIOR FILING DATE: 2000-10-02
;  NUMBER OF SEQ ID NOS: 3950
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3718
;   LENGTH: 3044
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION. Genbank Accession No. US20020142981A1 X51521
;   NAME/KEY: unsure
;   LOCATION: (1)..(3044)
;   OTHER INFORMATION: n = a or c or g or t
US-09-880-107-3718

Alignment Scores:
Pred. No.:                0.00219        Length:        3044
Score:                    60.00          Matches:       12
Percent Similarity:       100.00%        Conservative:  0
Best Local Similarity:    100.00%        Mismatches:    0
Query Match:              100.00%        Indels:        0
DB:                       10             Gaps:          0

US-09-856-070-21 (1-12) x US-09-880-107-3718 (1-3044)

Qy       1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
           ||||||||||||||||||||||||||||||||||||
Db    1150 GAGGACTTGATGCTGCGGCTGCAGGACTATGAGGAG 1185

RESULT 3
US 09 864-864-329
; Sequence 329, Application US/09864864
; Patent No. US20020102679A1
; GENERAL INFORMATION:
;  APPLICANT: Xu, Jiangchun
;  APPLICANT:  Mitcham, Jennifer L.
;  APPLICANT:  Harlocker, Susan L.
;  APPLICANT:  Dillon, Davin C.
;  APPLICANT:  Secrist, Heather
;  APPLICANT:  Lodes, Michael J.
;  APPLICANT:  Algate, Paul A.
;  APPLICANT:  Fling, Steve P.
;  APPLICANT:  Mannion, Jane
;  APPLICANT:  Benson, Darin R.
;  APPLICANT:  Carter, Darrick
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;  TITLE OF INVENTION:  AND DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE: 210121.523
;  CURRENT APPLICATION NUMBER: US/09/864,864
;  CURRENT FILING DATE:  2001-05-23
;  NUMBER OF SEQ ID NOS: 341
;  SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 329
;   LENGTH: 3047
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(3047)
;   OTHER INFORMATION: n = A,T,C or G
US-09-864-864-329

Alignment Scores:
Pred. No.:                0.00219        Length:        3047
Score:                    60.00          Matches:       12
Percent Similarity:       100.00%        Conservative:  0
Best Local Similarity:    100.00%        Mismatches:    0
Query Match:              100.00%        Indels:        0
DB:                       10             Gaps:          0

US-09-856-070-21 (1-12) x US-09-864-864-329 (1-3047)

Qy       1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
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Db    1150 GAGGAGTTGATGCTGCGGCTGCAGGACTATGAGGAG 1185

RESULT 4
US-09-925-299-123
; Sequence 123, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
;  FILE REFERENCE: PA102
;  CURRENT APPLICATION NUMBER: US/09/925,299
;  CURRENT FILING DATE:  2001-08-10
;  PRIOR APPLICATION NUMBER: PCT/US00/05883
;  PRIOR FILING DATE: 2000-03-08
;  PRIOR APPLICATION NUMBER: 60/124,270
;  PRIOR FILING DATE: 1999-03-12
;  NUMBER OF SEQ ID NOS: 1556
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 123
;   LENGTH: 3115
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-925-299-123

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Pred. No.:                0.00225        Length:        3115
Score:                    60.00          Matches:       12
Percent Similarity:       100.00%        Conservative:  0
Best Local Similarity:    100.00%        Mismatches:    0
Query. Match:             100.00%        Indels:        0
DB:                       10             Gaps:          0

US-09-856-070-21 (1-12) x US 09 925-299-123 (1-3115)

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Db    1182 CACCACTTCATCCTCCCCCTGCACGACTATGAGGAG 1217

RESULT 5
US-09-864-761-27935/c
; Sequence 27935, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT.  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
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;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 27935
;   LENGTH: 205
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AC006195.1
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 1.2
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 7.6
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.4
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 1.1
;   OTHER INFORMATION: SWISSPROT HIT: P38110, EVALUE 1.70e+00
;   OTHER INFORMATION: NT HIT: AF095771.1, EVALUE 6.00e-93
;   OTHER INFORMATION: EST_HUMAN HIT: AA453960.1, EVALUE 5.00e-88
US-09-864-761-27935

Alignment Scores:
Pred. No.:              2.71          Length:        205
Score:                  39.00         Matches:       8
Percent Similarity.     90.91%        Conservative:  2
Best Local Similarity:  72.73%        Mismatches:    1
Query Match:            65.00%        Indels:        0
DB:                     10            Gaps:          0

US-09-856-070-21 (1-12) x US-09-864-761 27935 (1-205)

Qy        2 GluLeuMetLeuArgLeuGlnAspTyrGluGln 12
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Db      151 GAGCTTATTCTTCGCCTTCAAGAATATTTTGAA 119

RESULT 6
US-09-864-761-11355/c
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; Sequence 11355, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION. HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE.  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 11355
;   LENGTH: 452
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AC006195.1
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 1.2
;   OTHER INFORMATION  EXPRESSED IN PLACENTA, SIGNAL - 7.6
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.4
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.1
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 1.1
US-09-864-761-11355

Alignment Scores:
Pred. No.:              6.77          Length:        452
Score:                  39.00         Matches:       8
Percent Similarity.     90.91%        Conservative.  2
Best Local Similarity:  72.73%        Mismatches:    1
Query Match:            65.00%        Indels:        0
DB:                     10            Gaps:          0

US-09-856-070-21 (1-12) x US-09-864-761-11355 (1-452)
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Qy        2 GluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
            ||||||:::|||||||||||||:::|||    |||
Db      396 GAGCTTATTCTTCGCCTTCAAGAATATTTTGAA 364

RESULT 7
US-09-863-475A-9
; Sequence 9, Application US/09863475A
; Patent No. US20020102688A1
;  GENERAL INFORMATION:
;        APPLICANT: LOWE, JOHN B.
;        TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
;                            OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;                            GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;                            OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
;        NUMBER OF SEQUENCES: 14
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                      P.C.
;             STREET: 1755 Jefferson Davis Highway, Fourth Floor
;             CITY: Arlington
;             STATE: Virginia
;             COUNTRY: U.S.A.
;             ZIP: 22202
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/863,475A
;             FILING DATE: 24-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 07/914,281
;             FILING DATE: 20-JUL-1992
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Lavalleye, Jean-Paul M. P.
;             REGISTRATION NUMBER: 31,451
;             REFERENCE/DOCKET NUMBER: 2363-060-55
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (703)521-4500
;             TELEFAX: (703)486-2347
;             TELEX: 248855 OPAT UR
;  INFORMATION FOR SEQ ID NO: 9:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 1488 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: unknown
;             TOPOLOGY: unknown
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-863-475A-9

Alignment Scores:
Pred. No.:                27             Length:        1488
Score:                    39.00          Matches:       8
Percent Similarity:       83.33%         Conservative:  2
Best Local Similarity:    66.67%         Mismatches:    2
Query Match:              65.00%         Indels:        0
DB:                       10             Gaps:          0

US-09-856-070-21 (1-12) x US-09-863-475A-9 (1-1488)

Qy        1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
              |||||||:::   |||||||:::   ||||||||||||
Db      679 GAGGAGGTGGATCTGCGCCTCTTGGACTACGAGGAG 714

RESULT 8
US-09-863-475A-7
; Sequence 7, Application US/09863475A
; Patent No. US20020102688A1
;  GENERAL INFORMATION:
;        APPLICANT: LOWE, JOHN B.
;        TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
;                            OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;                            GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;                            OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
;        NUMBER OF SEQUENCES: 14
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                      P.C.
;             STREET: 1755 Jefferson Davis Highway, Fourth Floor
;             CITY: Arlington
;             STATE: Virginia
;             COUNTRY: U.S.A.
;             ZIP: 22202
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/863,475A
;             FILING DATE: 24-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 07/914,281
;             FILING DATE: 20-JUL-1992
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Lavalleye, Jean-Paul M. P.
;             REGISTRATION NUMBER: 31,451
;             REFERENCE/DOCKET NUMBER: 2363-060-55
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (703)521-4500
;             TELEFAX: (703)486-2347
;             TELEX: 248855 OPAT UR
;  INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 3647 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: unknown
;             TOPOLOGY: unknown
;        MOLECULE TYPE: DNA (genomic)
;        ANTI-SENSE: NO
;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-863-475A-7

Alignment Scores:
Pred. No.:                76.3           Length:        3647
Score:                    39.00          Matches:       8
Percent Similarity:       83.33%         Conservative:  2
Best Local Similarity:    66.67%         Mismatches:    2
Query Match:              65.00%         Indels:        0
DB:                       10             Gaps:          0

US-09-856-070-21 (1-12) x US-09-863-475A-7 (1-3647)

Qy        1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
              |||||||:::   |||||||:::   ||||||||||||
Db     2347 GAGGAGGTGGATCTGCGCGTGTTGGACTACGAGGAG 2382

RESULT 9
US-10-044-090-190
; Sequence 190, Application US/10044090
; Patent No. US20020137081A1
; GENERAL INFORMATION:
;  APPLICANT: Olga Bandman
;  TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION
;  FILE REFERENCE: PA-0028 US
;  CURRENT APPLICATION NUMBER: US/10/044,090
;  CURRENT FILING DATE: 2002-01-09
;  NUMBER OF SEQ ID NOS: 850
;  SOFTWARE: PERL Program
; SEQ ID NO 190
;   LENGTH: 4242
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;    TYPE: DNA
;    ORGANISM: Homo sapiens
;    FEATURE:
;    NAME/KEY: misc feature
;    OTHER INFORMATION: Incyte ID No  US20020137081A1 023147 1
US-10-044-090-190

Alignment Scores:
Pred. No.:               90 9            Length:          4242
Score:                   39.00           Matches:         7
Percent Similarity:      81.82%          Conservative:    2
Best Local Similarity:   63.64%          Mismatches:      2
Query Match:             65.00%          Indels:          0
DB:                      12              Gaps:            0

US-09-856-070-21 (1-12) x US 10 044-090-190 (1 4242)

Qy       2 GluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
             :::||||||   |||   ||||||||||||:::
Db    1747 GATCTCATGTTCAGAAAACAAGACTATGAACAA 1779

RESULT 10
US-09-938-842A-854/c
; Sequence 854, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
;  APPLICANT: Harper, Jeff
;  APPLICANT:  Kreps, Joel
;  APPLICANT:  Wang, Xun
;  APPLICANT:  Zhu, Tong
;  TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
;  TITLE OF INVENTION:  SAME, AND METHODS OF USE
;  FILE REFERENCE: SCRIP1300-3
;  CURRENT APPLICATION NUMBER: US/09/938,842A
;  CURRENT FILING DATE:  2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/227,866
;  PRIOR FILING DATE: 2000-08-24
;  PRIOR APPLICATION NUMBER: US 60/264,647
;  PRIOR FILING DATE: 2001-01-16
;  PRIOR APPLICATION NUMBER: US 60/300,111
;  PRIOR FILING DATE: 2001-06-22
;  NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 854
;   LENGTH: 2124
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana
US-09-938-842A-854

Alignment Scores:
Pred  No.:               108             Length:          2124
Score:                   37.00           Matches:         6
Percent Similarity:      81.82%          Conservative:    3
Best Local Similarity:   54.55%          Mismatches:      2
Query Match:             61.67%          Indels:          0
DB:                      9               Gaps:            0

US-09-856-070-21 (1-12) x US-09-938-842A-854 (1 2124)

Qy       1 GluGluLeuMetLeuArgLeuGlnAspTyrGlu 11
             :::||||||:::        :::| |||||||||
Db    1276 CAAGAGCTGCTATTTTCCATGCAAGATTATGAG 1244

RESULT 11
US-09-917-800A-502
; Sequence 502, Application US/09917800A
; Patent No  US20020119462A1
; GENERAL INFORMATION:
;  APPLICANT: Mendrick, Donna
;  APPLICANT:  Porter, Mark
;  APPLICANT:  Johnson, Kory
;  APPLICANT:  Castle, Arthur
;  APPLICANT:  Elashoff, Michael
;  APPLICANT:  Gene Logic, Inc
;  TITLE OF INVENTION: Molecular Toxicology Modeling
;  FILE REFERENCE: 44921-5038-US
;  CURRENT APPLICATION NUMBER: US/09/917,800A
;  CURRENT FILING DATE:  2001-07-31
;  PRIOR APPLICATION NUMBER: US 60/222,040
;  PRIOR FILING DATE: 2000-07-31
;  PRIOR APPLICATION NUMBER: US 60/222,880
;  PRIOR FILING DATE: 2000-11-02
;  PRIOR APPLICATION NUMBER: US 60/290,029
;  PRIOR FILING DATE: 2001-05-11
;  PRIOR APPLICATION NUMBER: US 60/290,645
;  PRIOR FILING DATE: 2001-05-15
;  PRIOR APPLICATION NUMBER: US 60/292,336
;  PRIOR FILING DATE: 2001-05-22
;  PRIOR APPLICATION NUMBER: US 60/295,798
;  PRIOR FILING DATE: 2001-06-06
;  PRIOR APPLICATION NUMBER: US 60/297,457
;  PRIOR FILING DATE: 2001-06-13
;  PRIOR APPLICATION NUMBER: US 60/298,884
;  PRIOR FILING DATE: 2001-06-19
;  PRIOR APPLICATION NUMBER: US 60/303,459
;  PRIOR FILING DATE: 2001-07-09
;  NUMBER OF SEQ ID NOS: 1740
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 502
;   LENGTH: 7420
;   TYPE: DNA
;   ORGANISM: Rattus norvegicus
;   FEATURE:
;   OTHER INFORMATION: Genbank Accession No. US20020119462A1 AF084186
US-09-917-800A-502

Alignment Scores:
Pred. No.:               462             Length:          7420
Score:                   37.00           Matches:         7
Percent Similarity:      83.33%          Conservative:    3
Best Local Similarity.   58.33%          Mismatches.      2
Query Match:             61.67%          Indels:          0
DB:                      10              Gaps:            0

US-09 856 070 21 (1-12) x US-09 917-800A-502 (1 7420)

Qy       1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
             ...||||||:::|||   |||   ||||||:::|||
Db    2905 AAGGAGCTGCTCTTGGCTCTCTATGACTATCAAGAG 2940

RESULT 12
US-09-954-456-2006
; Sequence 2006, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
;  APPLICANT: Young, Paul
;  TITLE OF INVENTION: Process for Identifying Anti Cancer Therapeutic Agents Using C
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-76
;  CURRENT APPLICATION NUMBER: US/09/954,456
;  CURRENT FILING DATE:  2001-09-18
;  PRIOR APPLICATION NUMBER: US/60/233,617
;  PRIOR FILING DATE: 2000-09-18
;  PRIOR APPLICATION NUMBER: US/60/234,052
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: US/60/234,923
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,134
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,637
;  PRIOR FILING DATE: 2000-09-26
;  PRIOR APPLICATION NUMBER: US/60/235,638
;  PRIOR FILING DATE: 2000-09-26
;  PRIOR APPLICATION NUMBER: US/60/235,711
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,720
;  PRIOR FILING DATE: 2000-09-27
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;  PRIOR APPLICATION NUMBER: US/60/235,840
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,863
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 2276
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2006
;   LENGTH: 7787
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-954-456-2006

Alignment Scores:
Pred. No.:                488           Length:        7787
Score:                    37.00         Matches:       7
Percent Similarity:       83.33%        Conservative:  3
Best Local Similarity:    58.33%        Mismatches:    2
Query Match:              61.67%        Indels:        0
DB:                       10            Gaps:          0

US-09-856-070-21 (1-12) x US-09-954-456-2006 (1-7787)

Qy          1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
              :::||||||:::|||   |||   ||||||:::|||
Db       3007 AAGGAGCTGGTCTTGGCTCTCTACGACTATCAGGAG 3042

RESULT 13
US-09-974-300-2785
; Sequence 2785, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
;  APPLICANT: Berka, Randy M.
;  APPLICANT:  Clausen, Ib Groth
;  TITLE OF INVENTION: Methods For Monitoring Multiple Gene
;  TITLE OF INVENTION:  Expression
;  FILE REFERENCE: 10085.500-US
;  CURRENT APPLICATION NUMBER: US/09/974,300
;  CURRENT FILING DATE:  2001-10-05
;  PRIOR APPLICATION NUMBER: 09/680,598
;  PRIOR FILING DATE: 2000-10-06
;  PRIOR APPLICATION NUMBER: 60/279,526
;  PRIOR FILING DATE: 2001-03-27
;  NUMBER OF SEQ ID NOS: 8481
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2785
;   LENGTH: 782
;   TYPE: DNA
;   ORGANISM: Bacillus licheniformis
US-09-974-300-2785

Alignment Scores:
Pred. No.:                55.3          Length:        782
Score:                    36.00         Matches:       7
Percent Similarity:       81.82%        Conservative:  2
Best Local Similarity:    63.64%        Mismatches:    2
Query Match:              60.00%        Indels:        0
DB:                       10            Gaps:          0

US-09-856-070-21 (1-12) x US-09-974-300-2785 (1-782)

Qy          2 GluLeuMetLeuArgLeuGlnAspTyrGluGln 12
              |||:::||||||   ||||||   ||||||:::
Db        715 GAAATCATGTTGTTTCTTCAGCAATACGAACAG 747

RESULT 14
US-09-938-842A-2522
; Sequence 2522, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
;  APPLICANT: Harper, Jeff
;  APPLICANT:  Kreps, Joel
;  APPLICANT:  Wang, Xun
;  APPLICANT:  Zhu, Tong
;  TITLE OF INVENTION: STRESS REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
;  TITLE OF INVENTION:  SAME, AND METHODS OF USE
;  FILE REFERENCE: SCRIP1300-3
;  CURRENT APPLICATION NUMBER: US/09/938,842A
;  CURRENT FILING DATE:  2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/227,866
;  PRIOR FILING DATE: 2000-08-24
;  PRIOR APPLICATION NUMBER: US 60/264,647
;  PRIOR FILING DATE: 2001-01-16
;  PRIOR APPLICATION NUMBER: US 60/300,111
;  PRIOR FILING DATE: 2001-06-22
;  NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 2522
;   LENGTH: 855
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana
US-09-938-842A-2522

Alignment Scores:
Pred. No.:                61.3          Length:        855
Score:                    36.00         Matches:       7
Percent Similarity:       87.50%        Conservative:  0
Best Local Similarity:    87.50%        Mismatches:    1
Query Match:              60.00%        Indels:        0
DB:                       9             Gaps:          0

US-09-856-070-21 (1-12) x US-09-938-842A-2522 (1-855)

Qy          5 LeuArgLeuGlnAspTyrGluGlu 12
              |||||||||   ||||||||||||
Db        811 TTAAGGCTTGACGATTACGAGGAG 834

RESULT 15
US-09-942-858-11/c
; Sequence 11, Application US/09942858
; Patent No. US20020032310A1
; GENERAL INFORMATION:
;  APPLICANT: Lorenzi et al.
;  TITLE OF INVENTION: Fibroblast growth factor receptor activating gene I and
;  TITLE OF INVENTION:  related compositions and methods.
;  FILE REFERENCE: 59411
;  CURRENT APPLICATION NUMBER: US/09/942,858
;  CURRENT FILING DATE:  2001-08-29
;  PRIOR APPLICATION NUMBER: 09/202,548
;  PRIOR FILING DATE: 1998-12-15
;  PRIOR APPLICATION NUMBER: 60/020,009
;  PRIOR FILING DATE: 1996-06-18
;  PRIOR APPLICATION NUMBER: PCT/US97/10660
;  PRIOR FILING DATE: 1997-06-18
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
;   LENGTH: 1648
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (113)..(1060)
US-09-942-858-11

Alignment Scores:
Pred. No.:                131           Length:        1648
Score:                    36.00         Matches:       7
Percent Similarity:       75.00%        Conservative:  2
Best Local Similarity:    58.33%        Mismatches:    3
Query Match:              60.00%        Indels:        0
DB:                       10            Gaps:          0

US-09-856-070-21 (1-12) x US-09-942-858-11 (1-1648)

Qy          1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
              |||   |||   |||||||||:::   ||||||:::
Db       1057 GAATCGCTTTTCCTCAGGCTGAGAGGTTATGAGCAG 1022
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Search completed: January 16, 2003, 21:46:11
Job time : 49.6286 secs
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